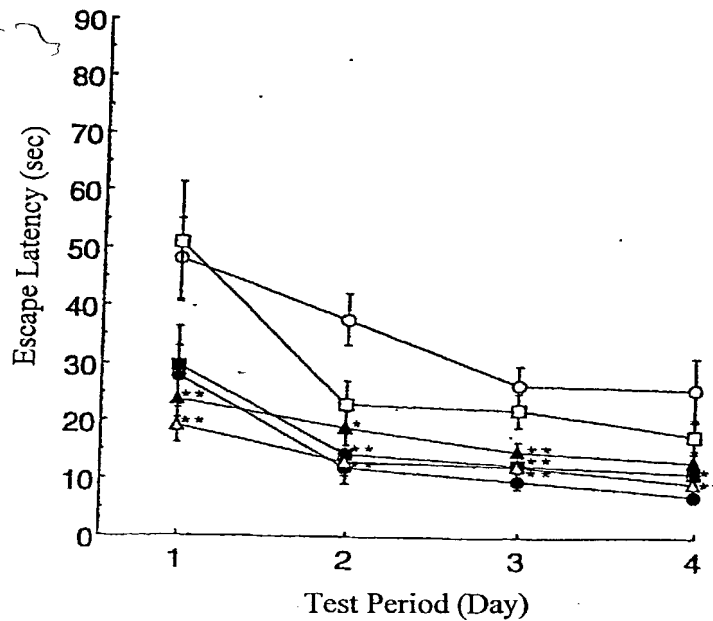
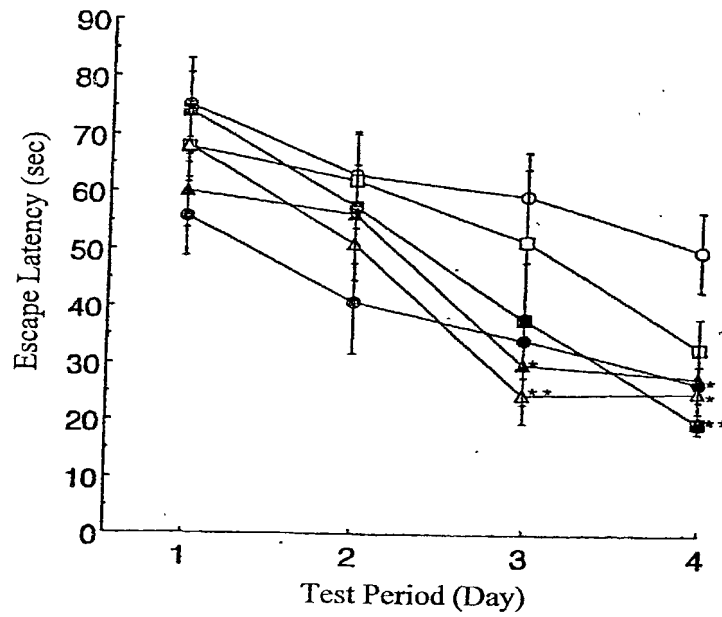
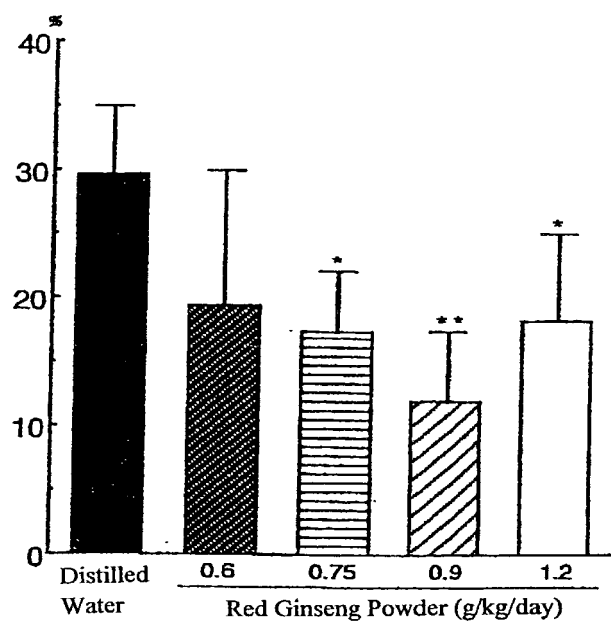


Fig. 1



\* $P < 0.05$  \*\* $P < 0.01$

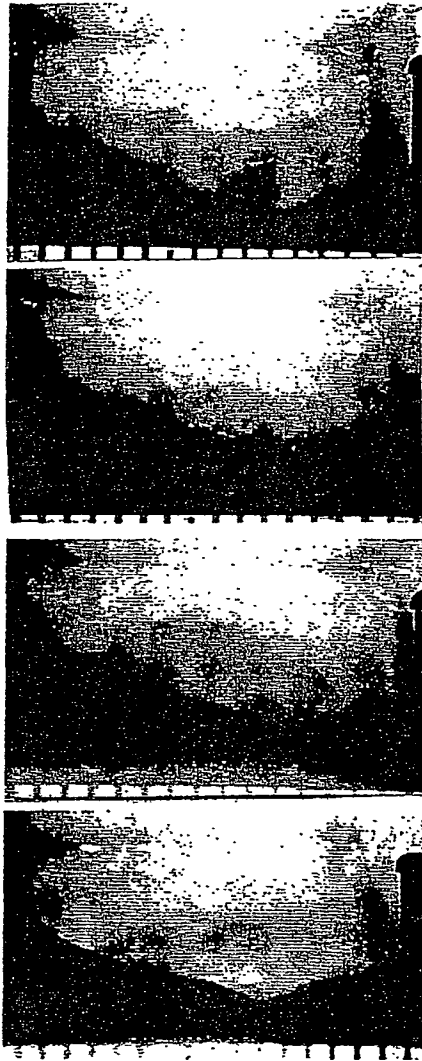
Fig. 2



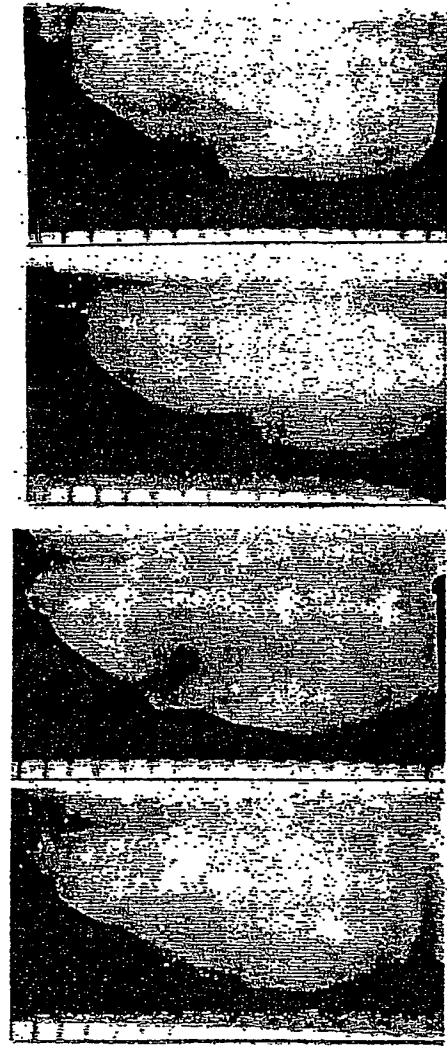
\* $P < 0.05$  \*\* $P < 0.01$

Fig. 3

Distilled Water-Administered Ischemic Group



Red Ginseng Powder-Administered Ischemic Group





Test Period (Day)	Group 1 (Open Circles)	Group 2 (Filled Squares)	Group 3 (Filled Circles)
1	77	68	57
2	61	46	42
3	60	42	35
4	49	32	28

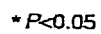
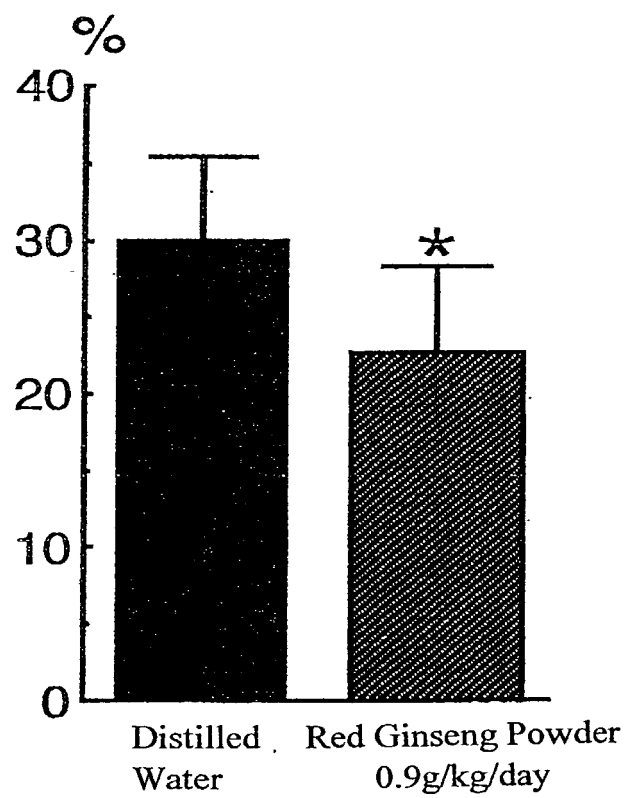


Fig. 6



\*  $P < 0.05$

Fig. 7

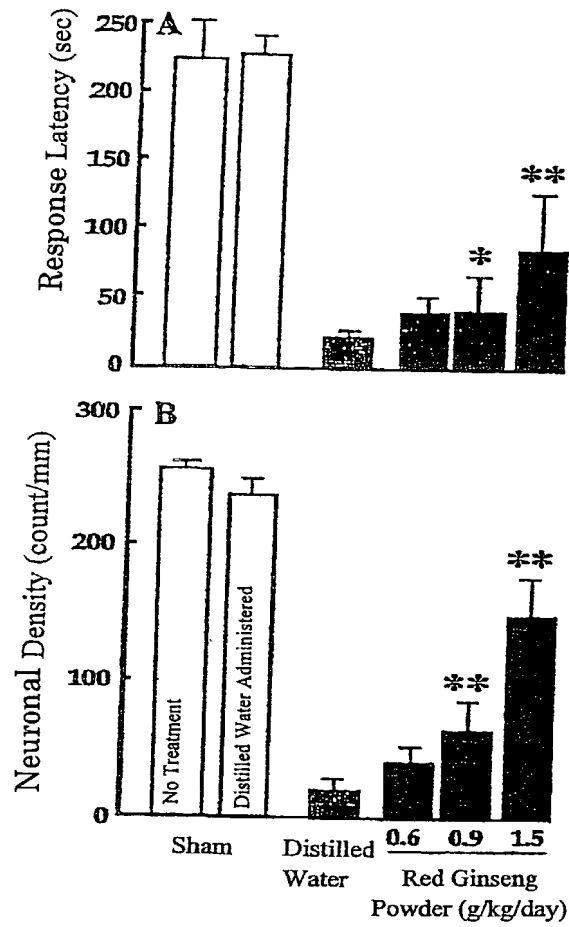
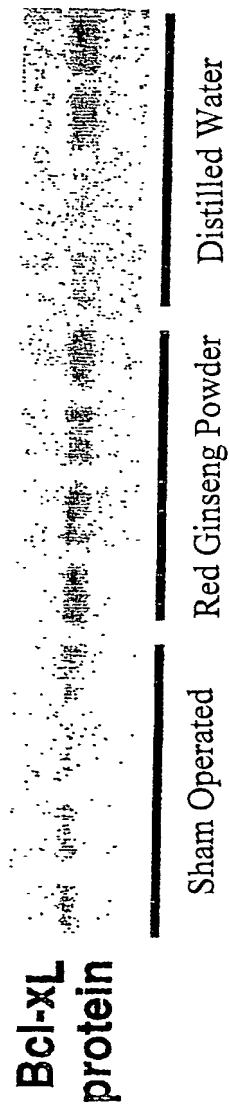


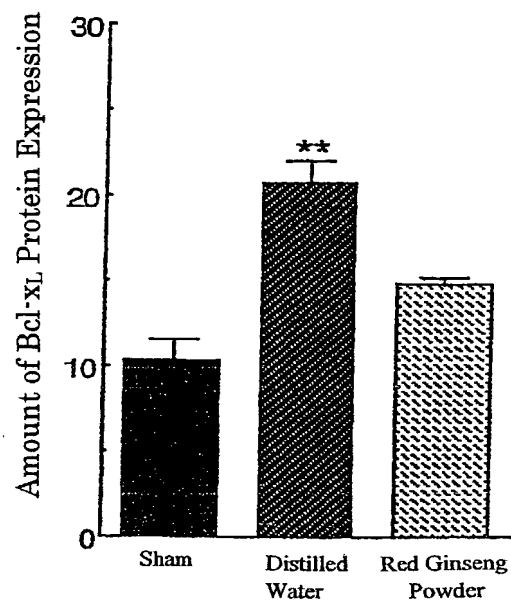
Fig. 8





10/070209

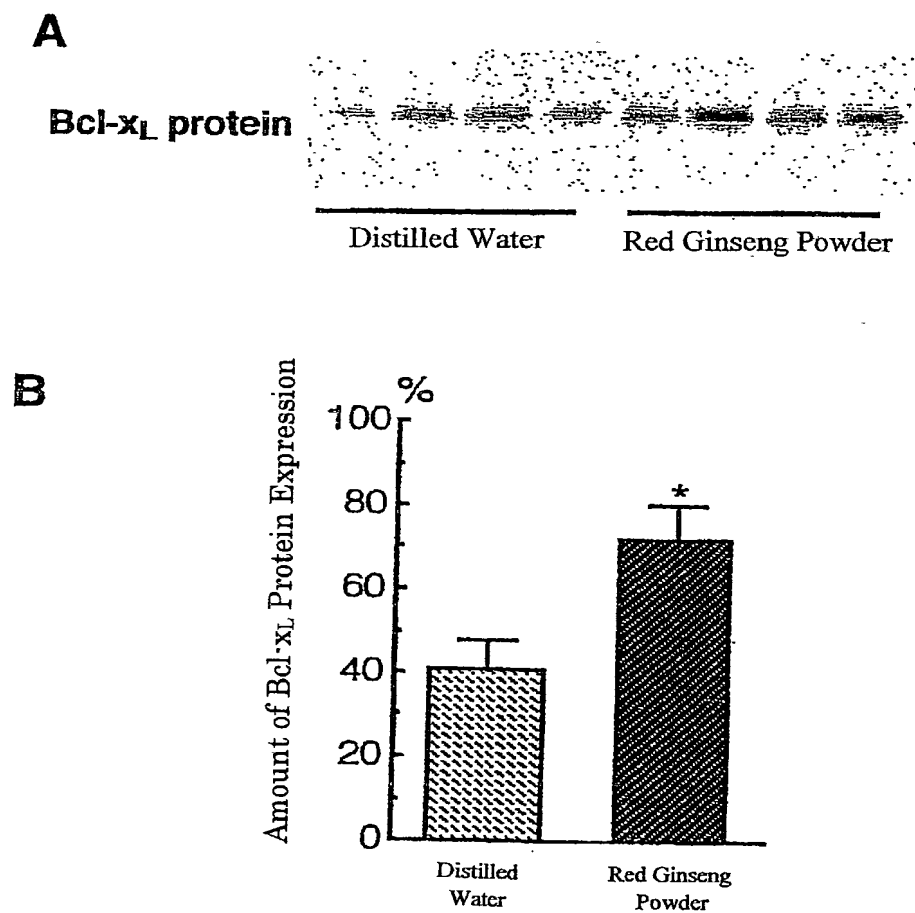
Fig. 9



\*\*  $P < 0.01$

N=4

Fig. 10

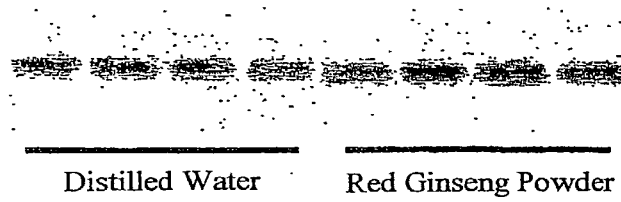


\*  $P < 0.05$      $N = 4$

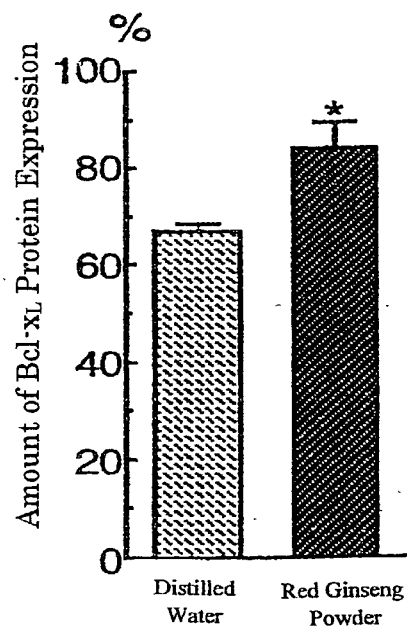
Fig. 11

**A**

**Bcl-x<sub>L</sub> protein**



**B**



\*  $P < 0.05$  N=4

Fig. 12

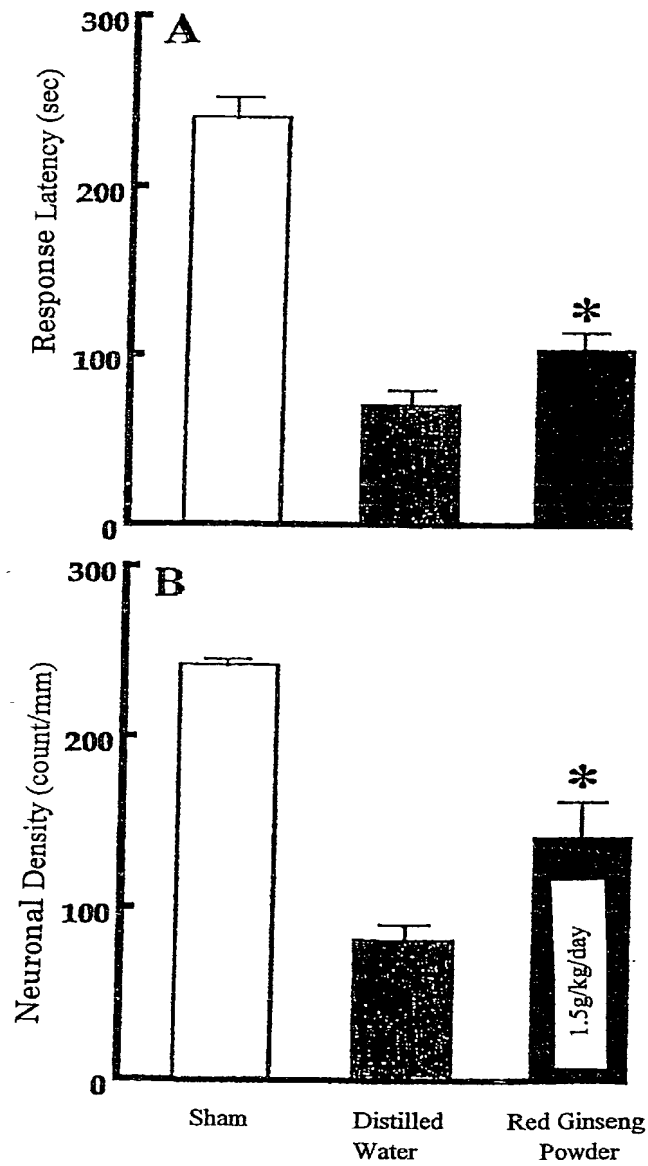


Fig. 13



Fig. 14

Physiological Saline



Rb1 6  $\mu$ g/day

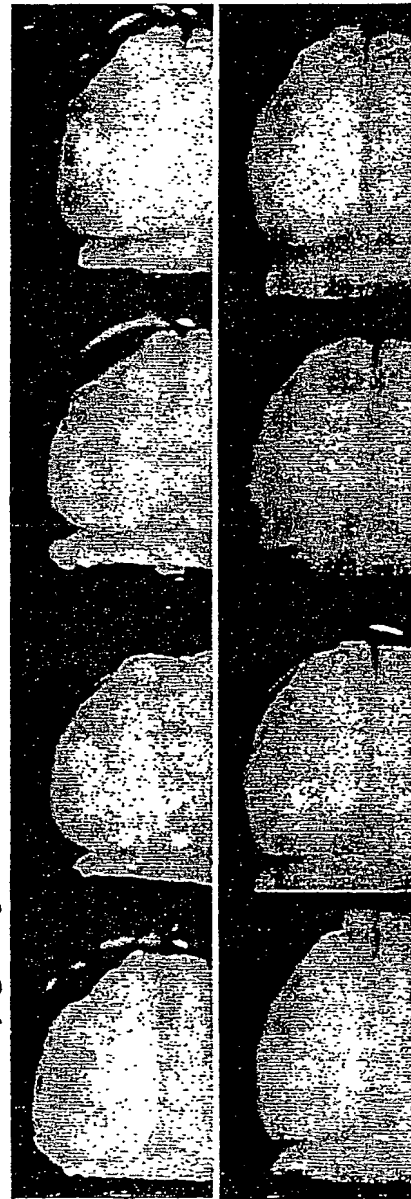
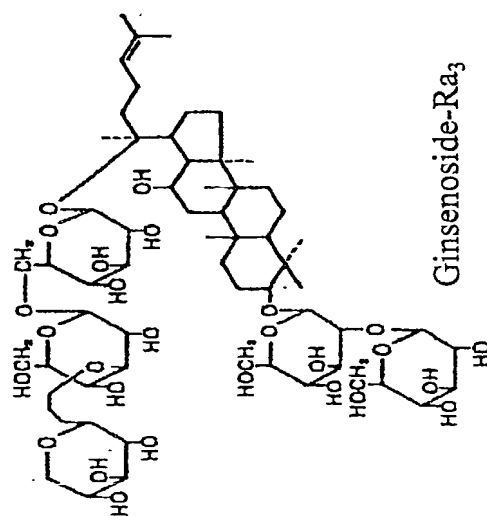
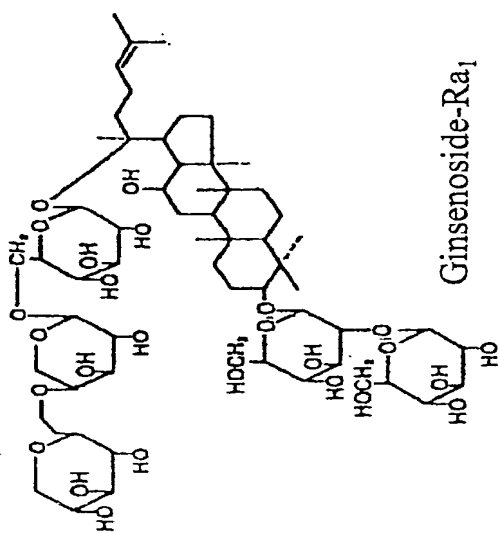
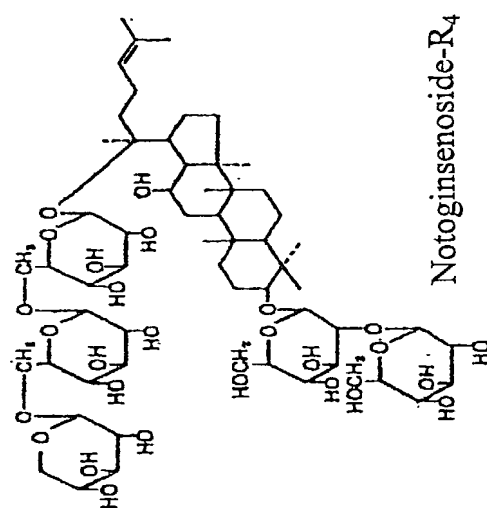
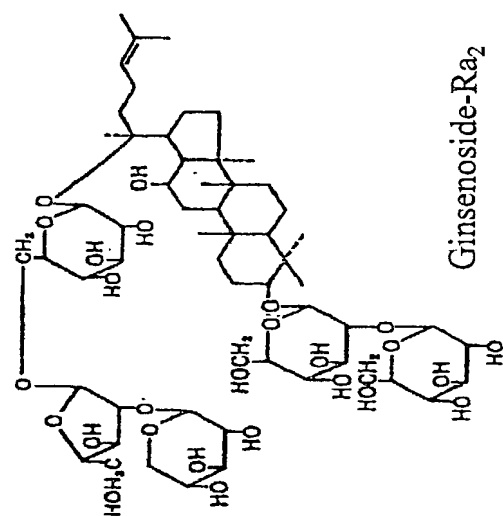
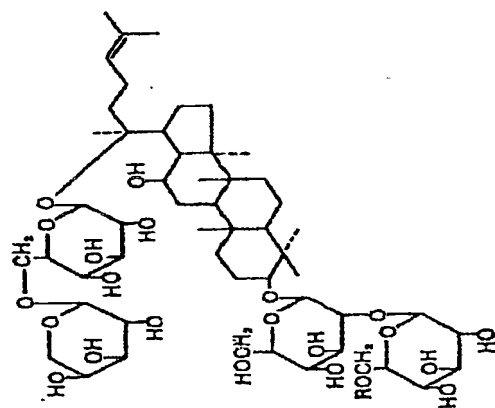


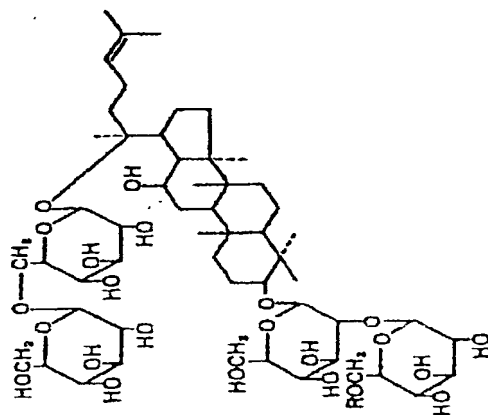
Fig. 15



Ginsenoside-Rc  
Ginsenoside-RS<sub>2</sub><sup>\*</sup>  
Malonylginsenoside-Rc

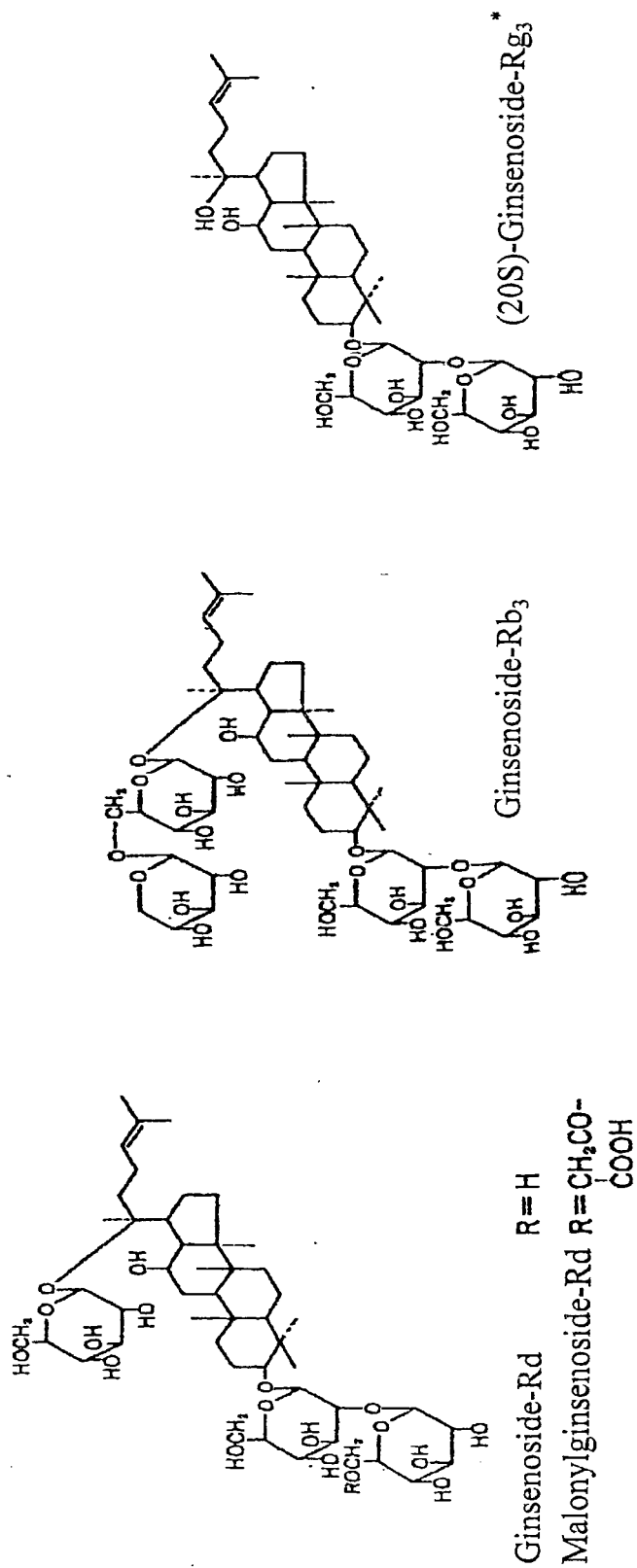


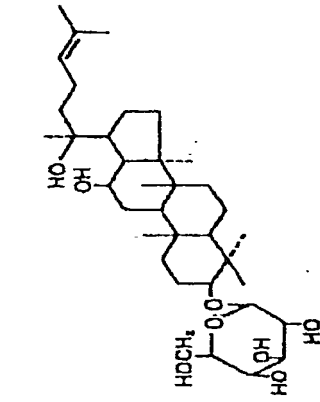
Ginsenoside-Rb <sub>2</sub>	R = H
Ginsenoside-RS <sub>1</sub> <sup>*</sup>	R = CH <sub>3</sub> CO-
Malonylginsenoside-Rb <sub>2</sub>	R = CH <sub>2</sub> CO- COOH



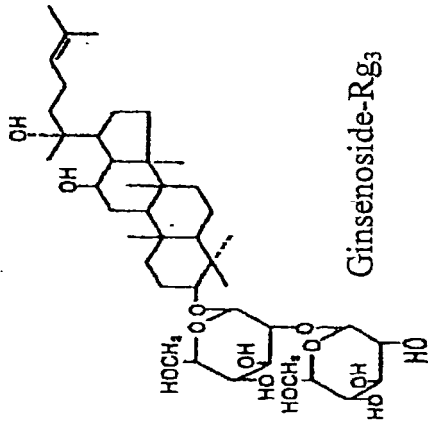
Ginsenoside-R<sub>b</sub><sub>1</sub> R = H  
Quinquenoside-R<sub>1</sub> R = CH<sub>3</sub>.CO-  
Malonylginsenoside-R<sub>b</sub><sub>1</sub> R = CH<sub>2</sub>.CO-COOH.



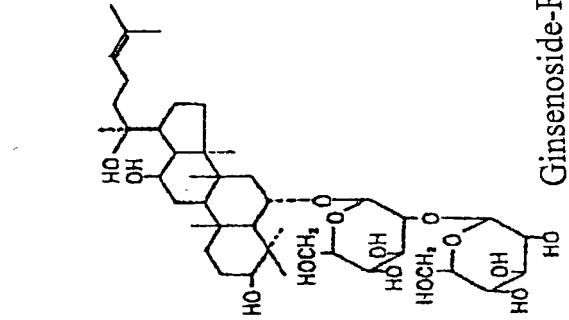




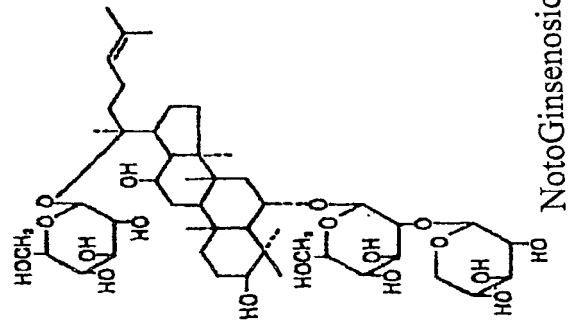
Ginsenoside-Rh<sub>2</sub>\*



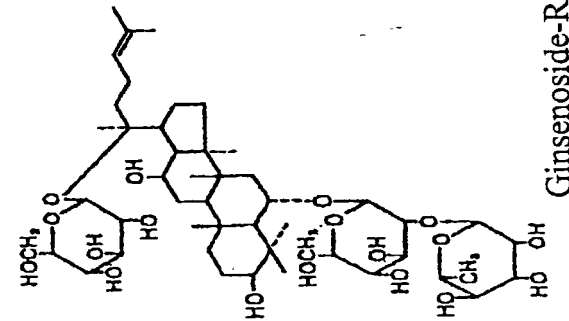
Ginsenoside-Rg<sub>3</sub>



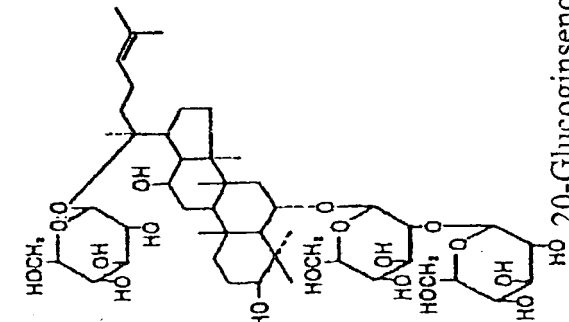
Ginsenoside-Rf



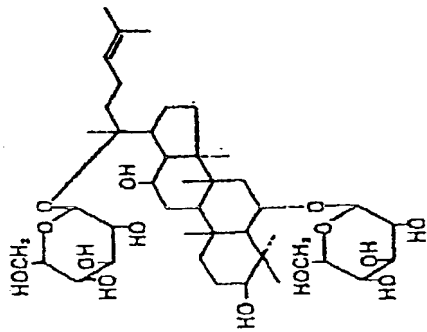
NotoGinsenoside-R<sub>1</sub>



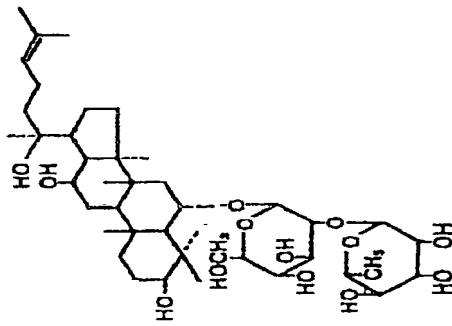
Ginsenoside-Re



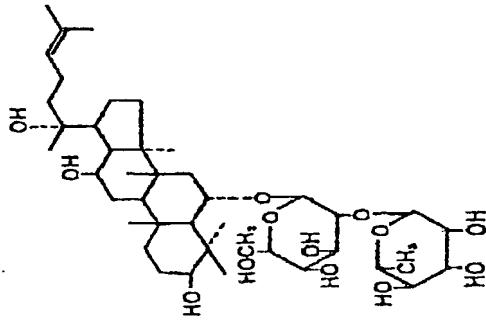
20-Glucoginsenoside-Rf



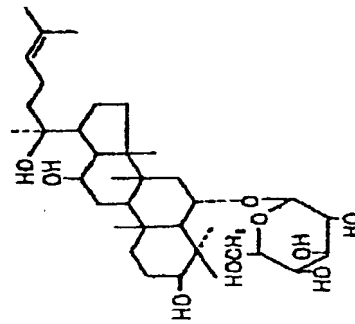
Ginsenoside-Rg<sub>1</sub>



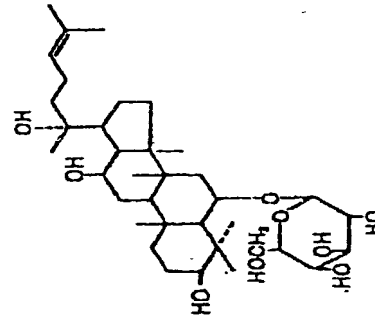
Ginsenoside-Rg<sub>2</sub>



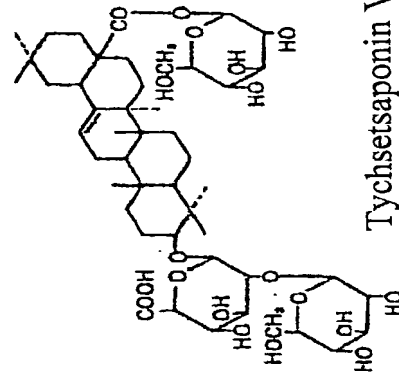
(20R)-Ginsenoside-Rg<sub>2</sub>\*



Ginsenoside-Rh<sub>1</sub>



(20R)-Ginsenoside-Rh<sub>1</sub>\*



Tychsetsaponin V  
(Ginsenoside-Ro)

Fig. 16

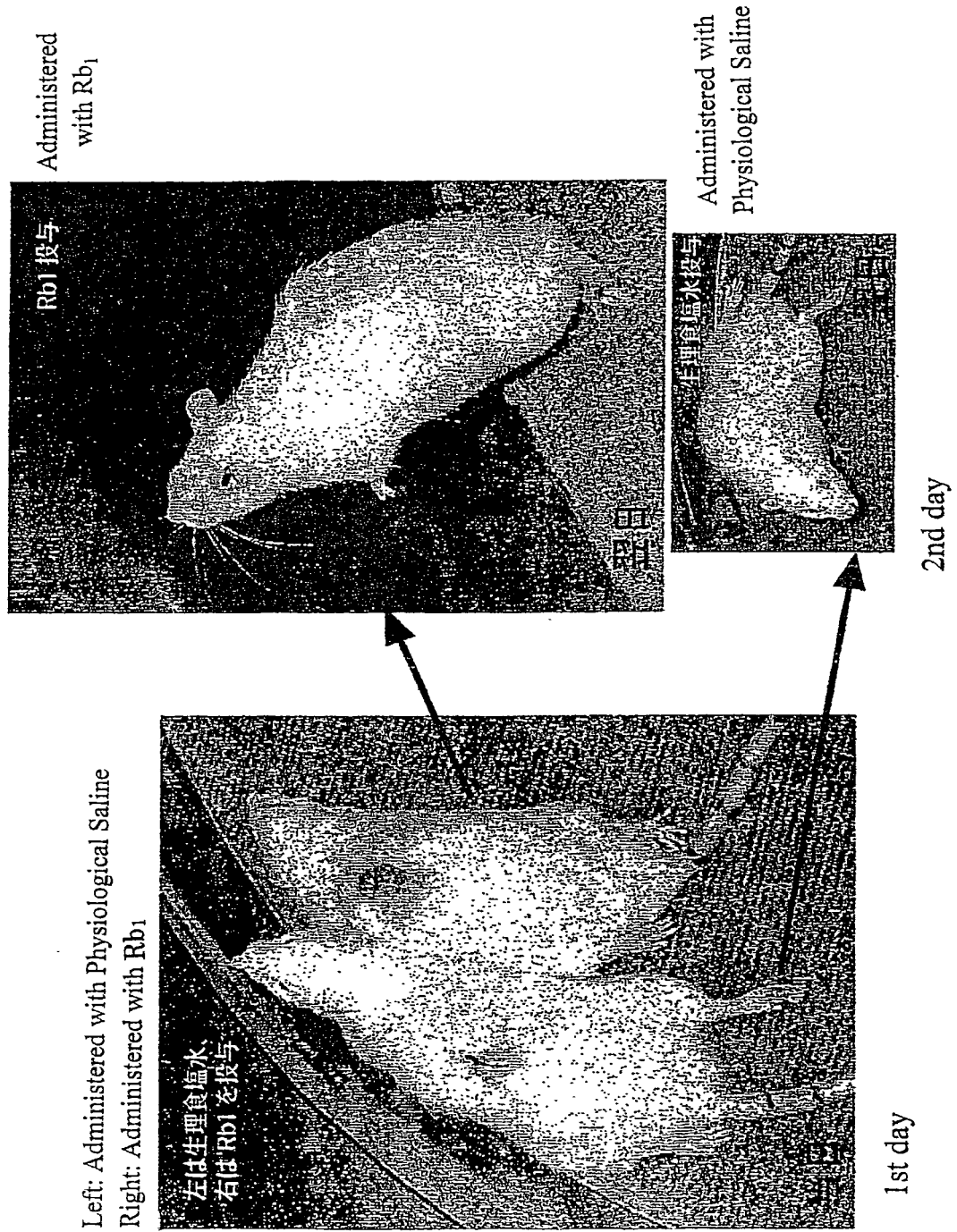


Fig. 17

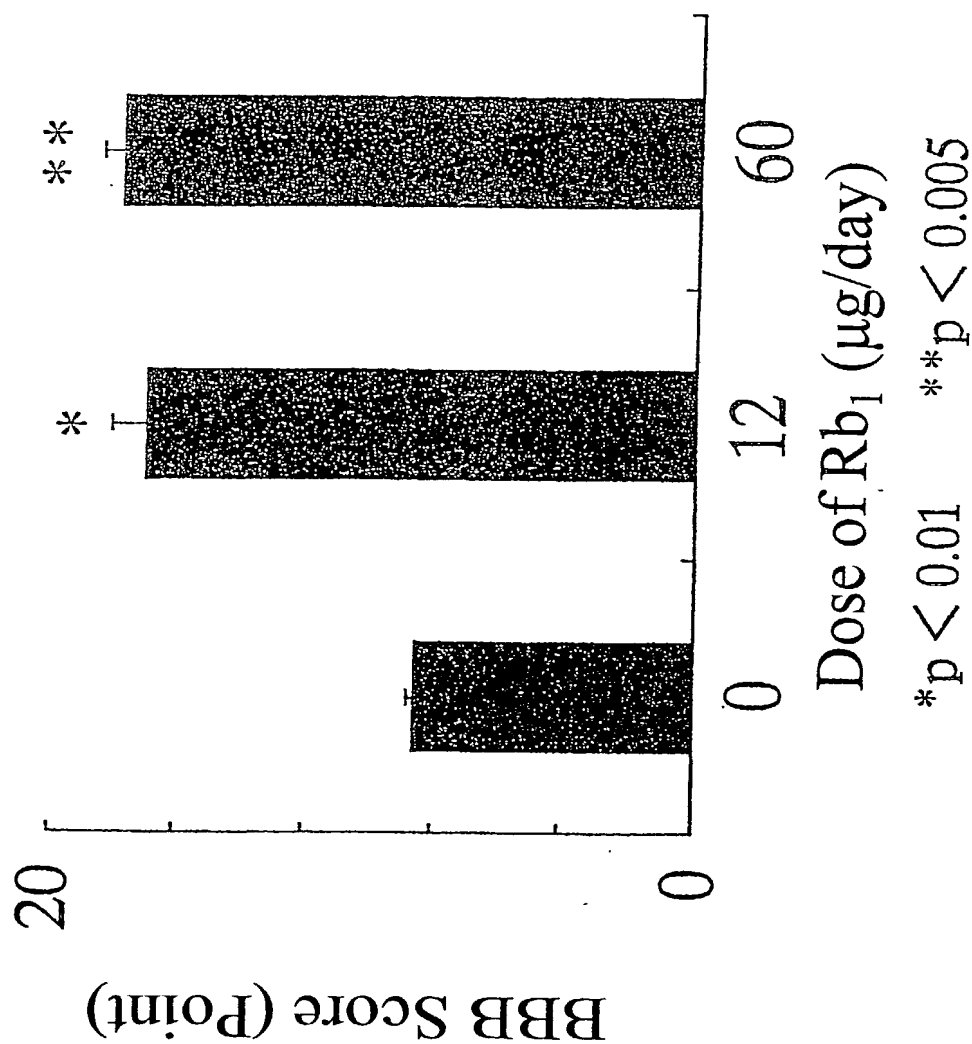


Fig. 18

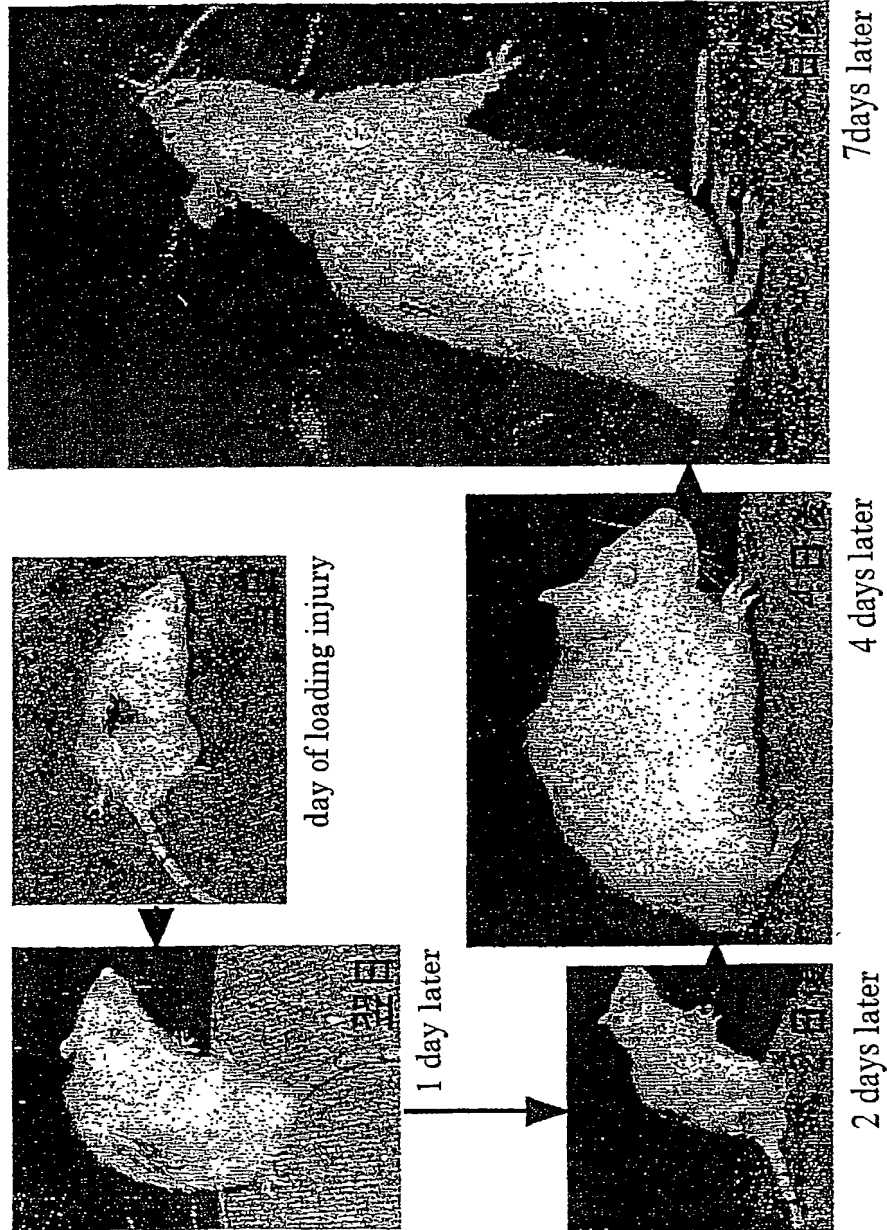


Fig. 19

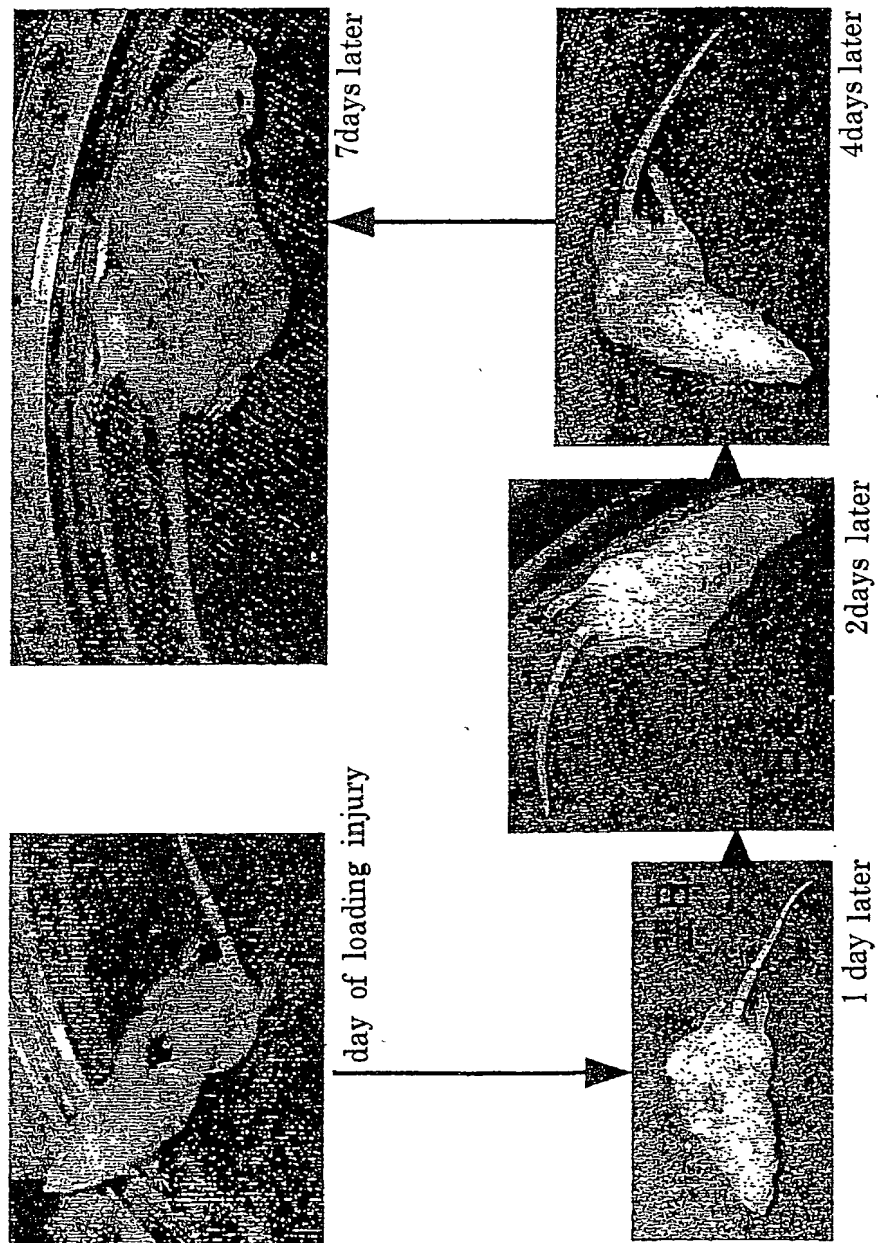


Fig. 20

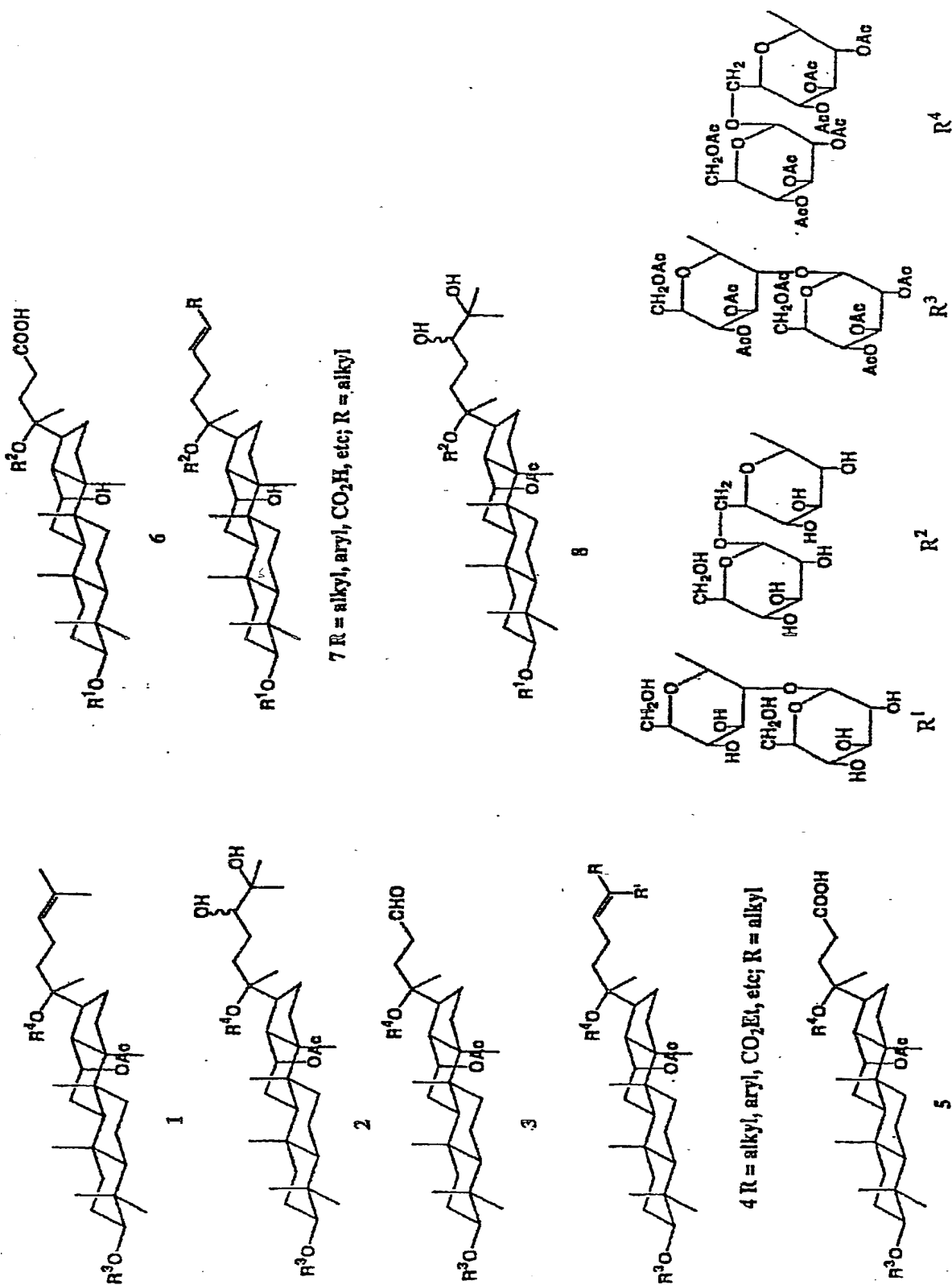
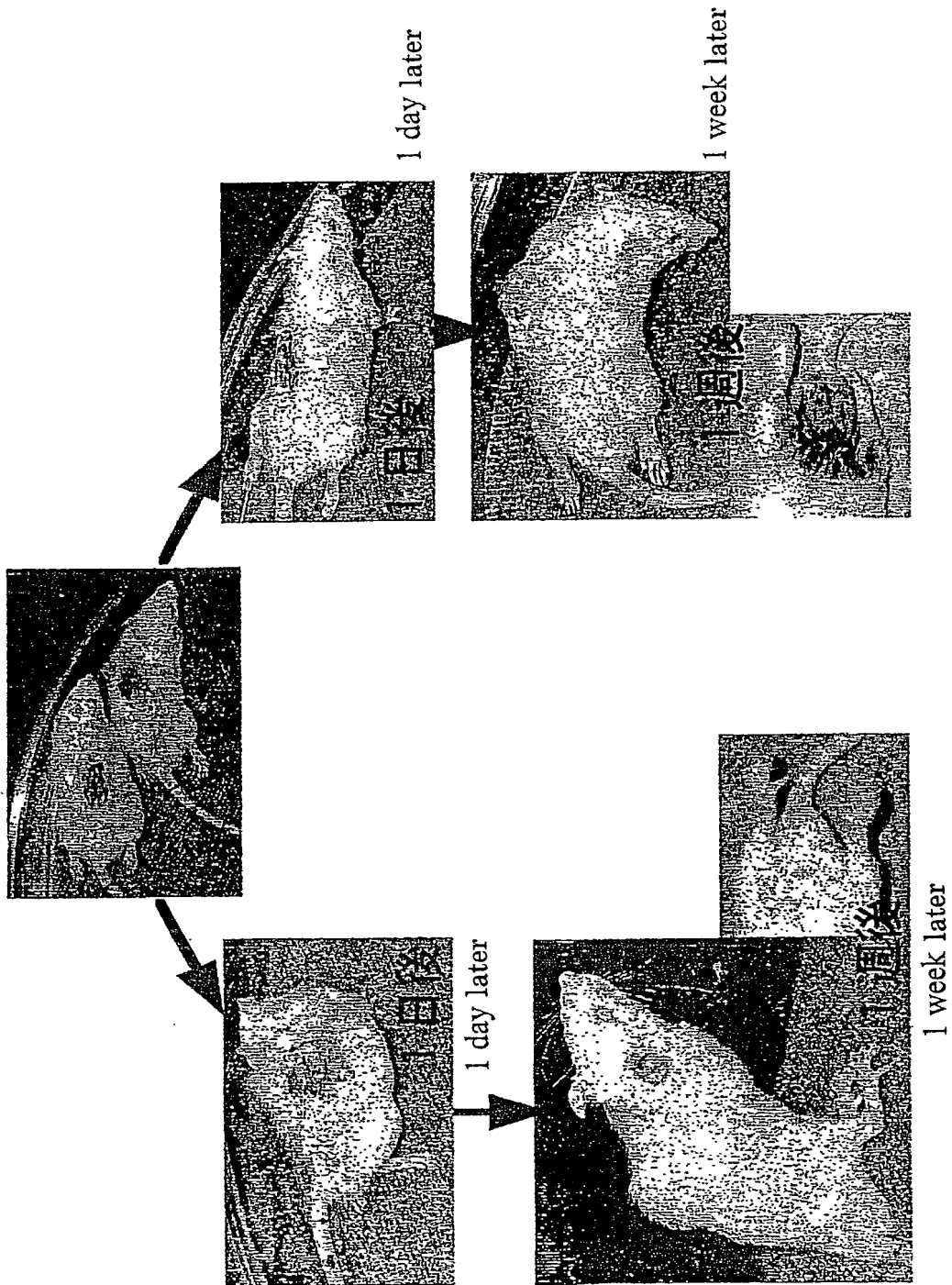




Fig. 21



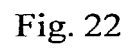
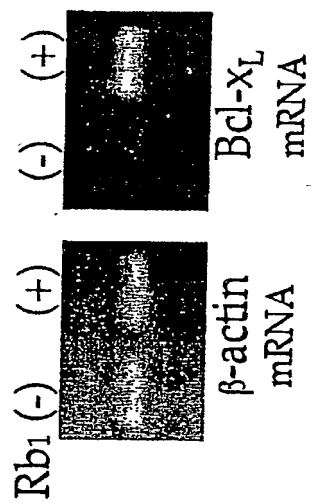


Fig. 23

RT-PCR



Immunoblotting

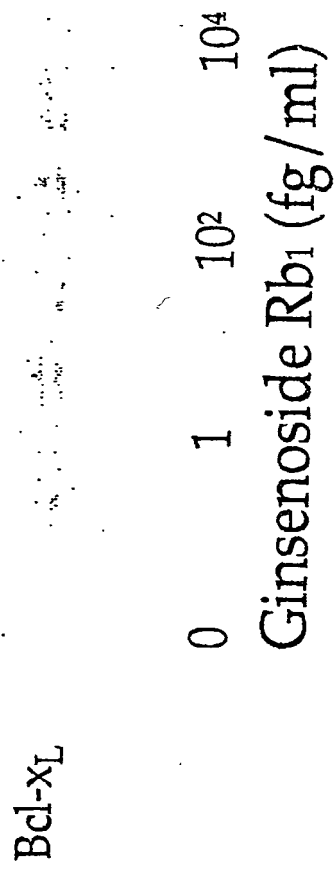


Fig. 24

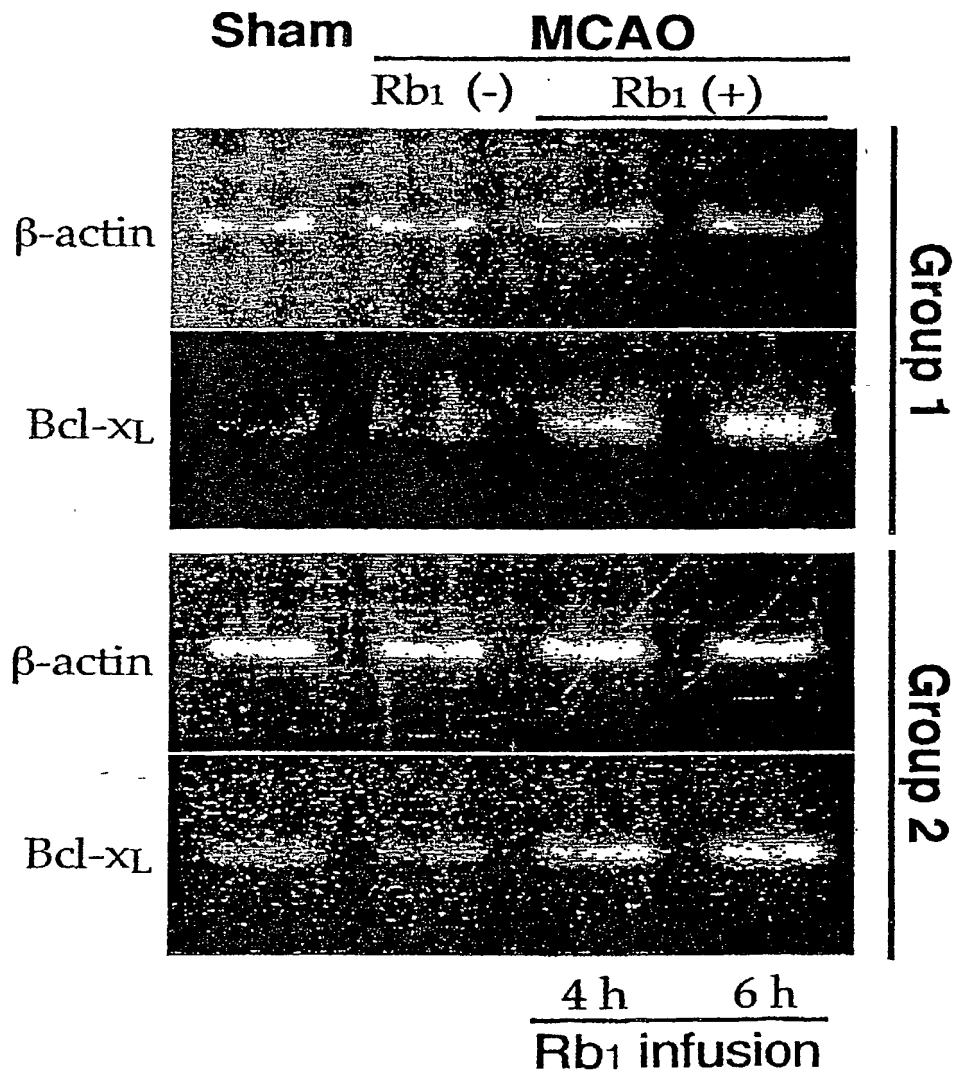
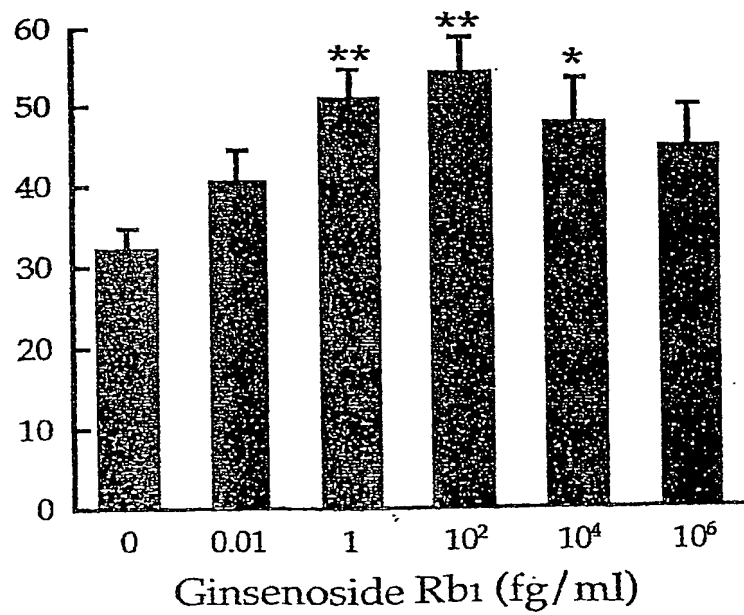
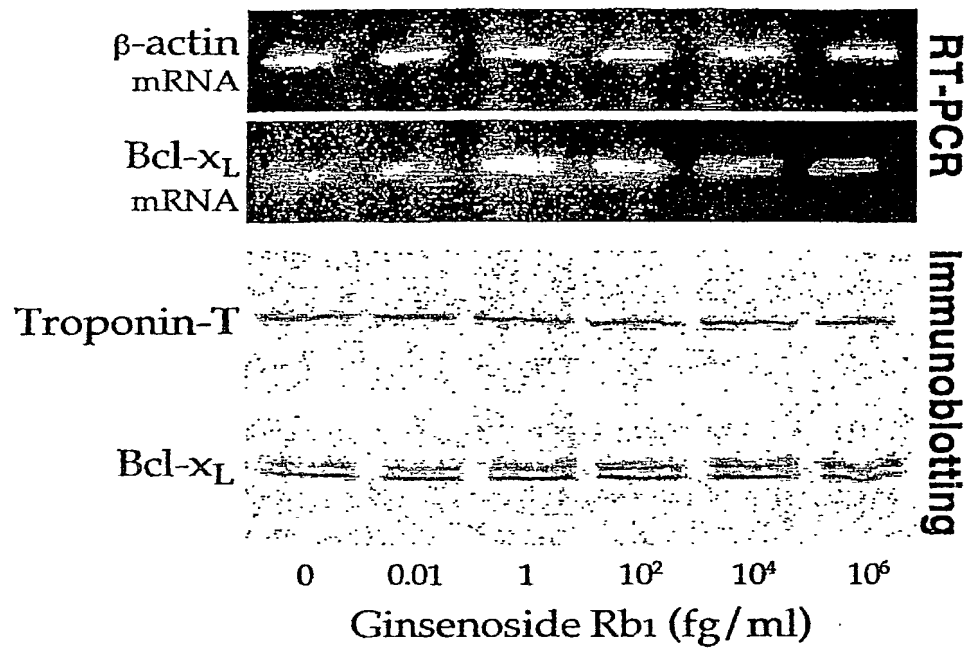


Fig. 25

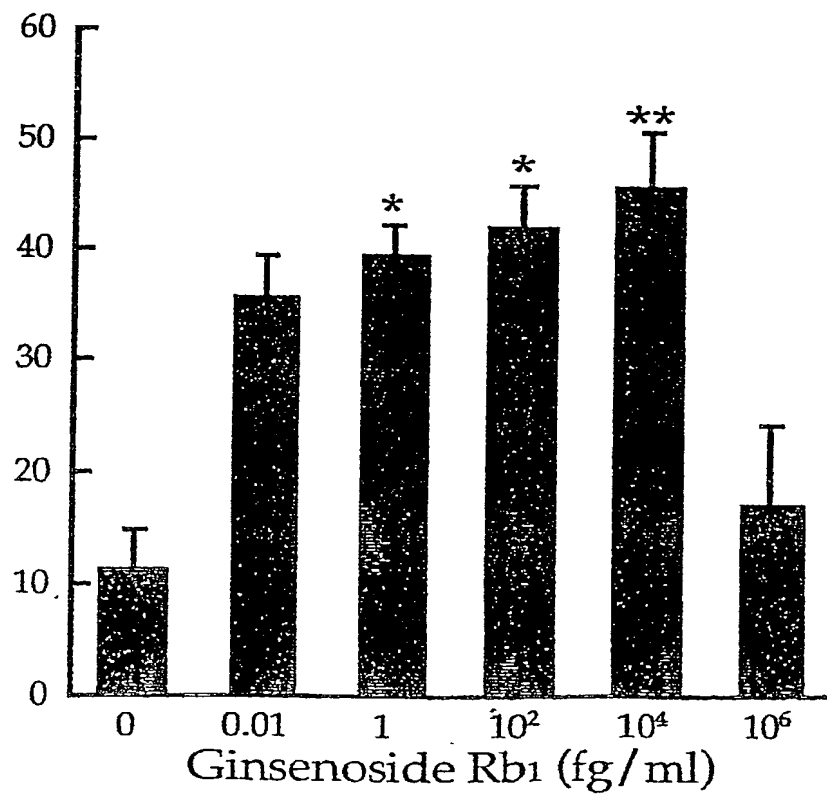


\*\*  $p < 0.01$  \*  $p < 0.05$

Fig. 26

$\alpha$ -Actinin

0 10<sup>-2</sup> 1 10<sup>2</sup> 10<sup>4</sup> 10<sup>6</sup>  
Ginsenoside Rb<sub>1</sub> (fg/ml)



\*\*  $p < 0.01$  \*  $p < 0.05$  vs Rb<sub>1</sub>=0

Fig. 27

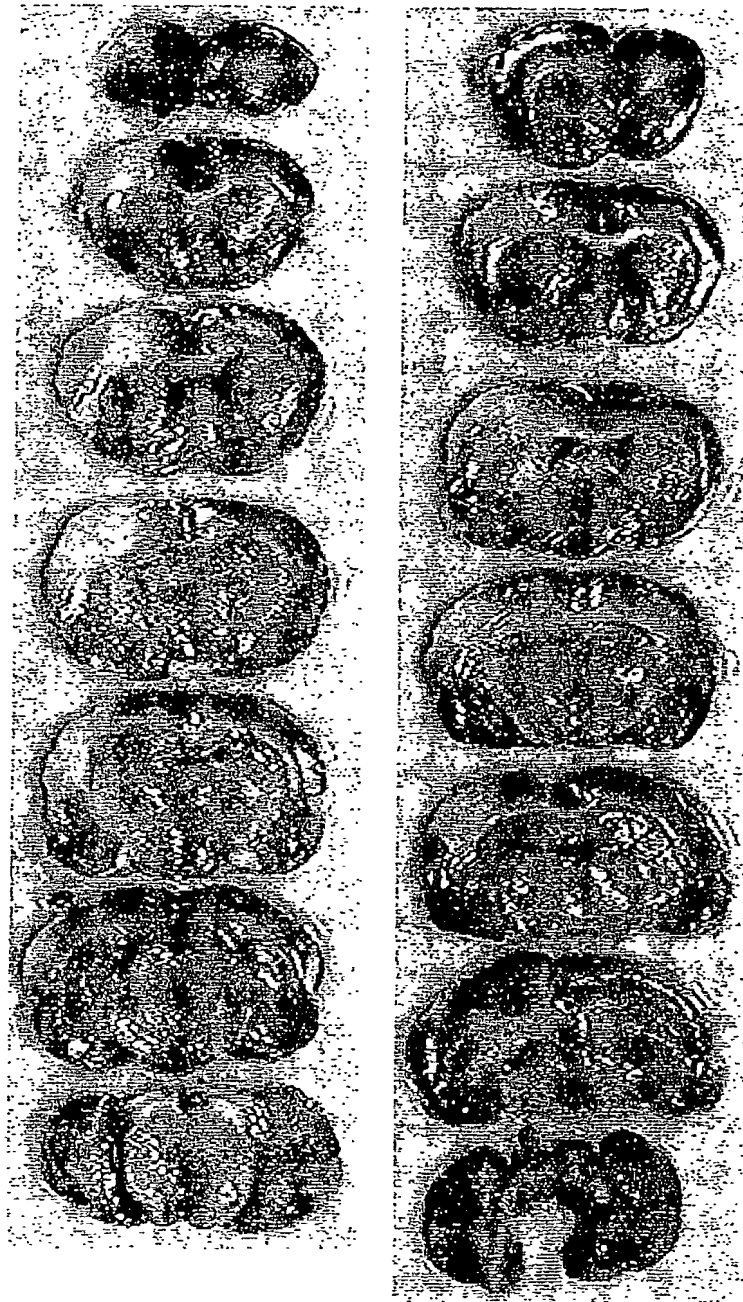


Fig. 28

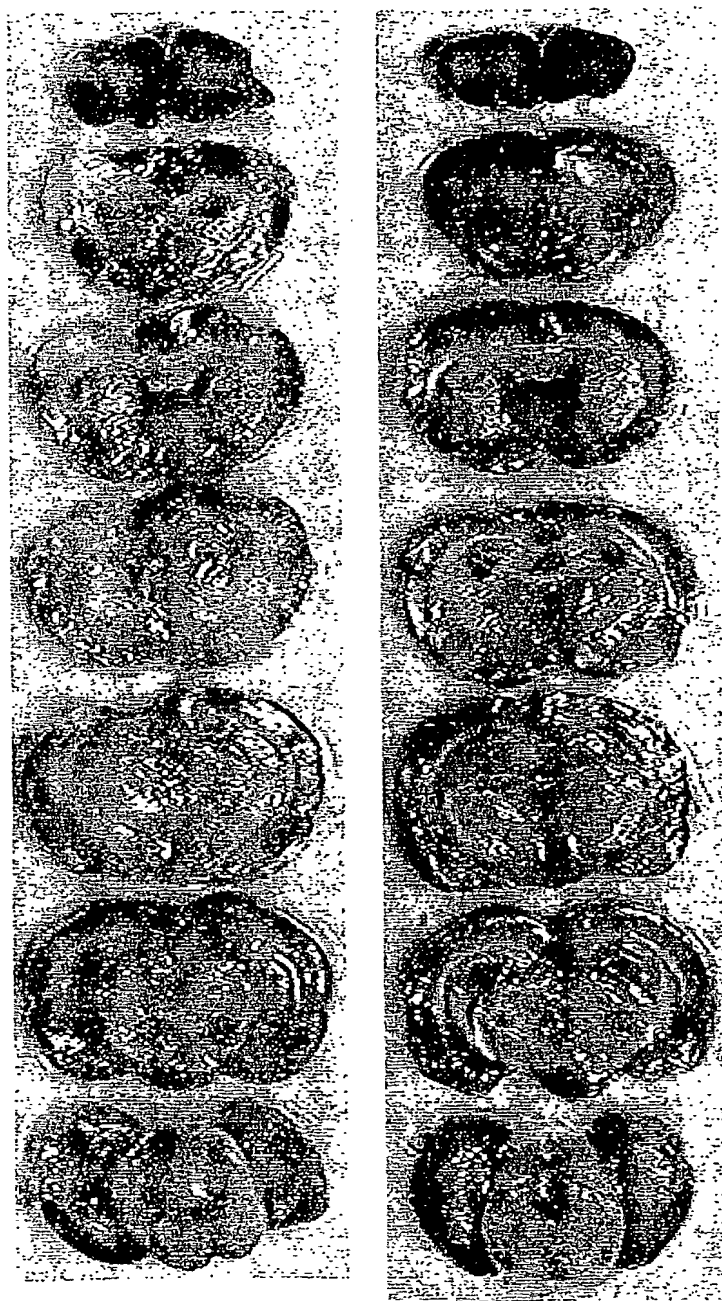




Fig. 29

